

SEC III - Technical Guide
Guidance Documents - Cropland

GUIDANCE DOCUMENT

Present Resource Condition	Identified Problems:
Location: MLRA 107 Soils: 1D3 Ida Silt Loam Slope: 12 Slope Length: 150ft Land Use: Cropland (Corn-Corn-Soybeans) Applied Practices: Cross slope 5%RG Tillage Operation: Fall Mulch Corn, 20% Spr Mulch Beans 10%	Sheet and rill erosion is 16 tons/acre. Ephemeral gullies are present. Pesticides and nutrients contaminate surface and groundwater. Pheasant population is well below potential and habitat diversity is limited.

RESOURCE CONCERNS	SOIL			WATER				AIR			ANIMALS	
	Eros.	Cond.	Depos.	Quan.	Qual.	Quality	Habitat					
Practices			Com- age									
	Sheet & Rill	Ephem- eral	Tilth	pac- tion	Off- site	Excess Runoff	Pest. Nutr- ient	Sedi- ment	Part- icles	Chem. Drift	Cover/ Shelter	
Present Condition	SIG-	SIG-	SL-	MOD-	SIG	MOD-	MOD-	SIG-	MOD-	0	0	SL-
Alternative. #1												
600 Terraces	SIG+	SIG+	0	SL-	SIG+	SIG+	SL+	SL+	MOD+	0	0	SL+
330 Contour Farming	SIG+	SL+	0	0	MOD+	MOD+	SL+	SL+	SL+	0	0	0
328 Crop Rotation Continous Corn	SIG+	0	0	0	SL+	0	SL-	SL-	0	0	0	0
329 Cons. Tillage No Till 50% Residue	SIG+	SL+	SL+	MOD+	MOD+	SIG+	SL+	SL+	MOD+	SIG+	0	SL+
590 Nutr. Mgmt.	0	0	0	0	0	0	0	SIG+	0	0	0	0
595 Pest Mgmt.	0	0	0	0	0	NA	SIG+	0	0	0	SL+	SL-
Supplemental Practices (Streams/Rivers present)												
393 Filter Strip	0	0	0	0	SIG+	0	SIG+	SIG+	SIG+	SL+	SL+	MOD+
391 Riparian Forest Buffer	0	0	0	0	SIG+	0	SIG+	SIG+	SIG+	SL+	SL+	MOD+

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The values are recorded using NA = Not Applicable; + = Positive effect; - = Negative effect; 0 = negligible effects.
The modifiers SL = Slight; MOD = Moderate; or SIG = Signigicant denote the range of effects.

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	SOIL				WATER				AIR		ANIMALS		
	RESOURCE CONCERNS	Eros.	Cond.	Depos.	Quan.	Qual.	Quality	Habitat					
	Practices	Sheet & Rill	Ephem- eral	Tilth	Com- pac- tion	Dam- age	Off- site	Excess Runoff	Pest.	Nutr- ient	Sedi- ment	Part- icles	Chem. Drift
Present Condition	SIG-	SIG-	SL-	MOD-	SIG-	MOD-	MOD-	SIG-	MOD-	0	0	SL-	
Alternative. #2													
329 Cons. Tillage No Till 70% Residue	SIG+	MOD+	MOD+	MOD+	MOD+	SIG+	SL+	SL+	MOD+	SIG+	0	SL+	
330 Contour Farming	SIG+	SL+	0	0	MOD+	MOD+	SL+	SL+	SL+	0	0	0	
328 Crop Rotation Continous Corn	MOD+	0	0	0	SL+	SL+	SL-	SL-	0	0	0	0	
412 Grass Waterway	0	SIG+	0	0	MOD+	MOD+	SL+	SL+	MOD+	0	0	MOD+	
386 Field Border	0	MOD+	0	0	SL+	SL+	SL+	MOD+	MOD+	0	0	MOD+	
590 Nutr. Mgmt	0	0	0	0	0	0	0	SIG+	0	0	0	0	
595 Pest Mgmt.	0	0	0	0	0	NA	SIG+	0	0	0	SL+	SL-	
Supplemental Practices (Streams/Rivers present)													
393 Filter Strip	0	0	0	0	SIG+	NA	SIG+	SIG+	SIG+	SL+	SL+	MOD+	
391 Riparian Forest Buffer	0	0	0	0	SIG+	NA	SIG+	SIG+	SIG+	SL+	SL+	MOD+	

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